

10. MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

EUT: 300Mbps Wireless N Gigabit ADSL2+Modem Router		
M/N: TD-W8970		
Test date: 2013-01-09	Pressure: 101.2±1.0 kpa	Humidity: 49.6±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature: 21.8±0.6°C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5.0dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.66	73.45	5	3.16	0.0462
	CH6	2437	18.34	68.23	5	3.16	0.0429
	CH11	2462	18.08	64.27	5	3.16	0.0405
11g	CH1	2412	21.90	154.88	5	3.16	0.0975
	CH6	2437	22.00	158.49	5	3.16	0.0998
	CH11	2462	21.55	142.89	5	3.16	0.0899
11n HT20	CH1	2412	24.56	285.76	5	3.16	0.1799
	CH6	2437	24.63	290.40	5	3.16	0.1828
	CH11	2462	24.40	275.42	5	3.16	0.1734
11n HT40	CH1	2422	21.96	157.04	5	3.16	0.0988
	CH4	2437	22.22	166.72	5	3.16	0.1049
	CH7	2452	21.71	148.25	5	3.16	0.0933